

ILIEV, B.

"Drafting the Budget of Collective Farms." p. 38. (Kooperativno Zemedelie.  
Vol. (7) no. 11/12, 1952. Sofiya.)

SO: Monthly List of East European Accessions, Vol. 3, No. 6, Library of Congress, June 1953, Uncl.

ILIEV, B.

Mechanization of checkrow planting. p.1. TEKHNIKA. (Suiuz na nauchno-  
tekhnicheskite druzhestva v Bulgaria) Sofia. Vol. 5, no. 1,  
Jan./Feb. 1956

SOURCE: East European Accession List, (EEAL), Library of  
Congress, Vol. 4, no. 12, December 1956

ILIEV, B.

ILIEV, B. About our grain combines. p. 6.

Vol. 5, No. 4, July/Aug. 1956.

TEKHNIKA

TECHNOLOGY

Sofia, Bulgaria

So: East European Accession, Vol. 6, No. 2, Feb. 1957

ILIEV, B.

ILIEV, B. The quality and efficiency of our combines. p.6.

Vol. 7. no. 5, May 1956, MASHINIZIRANO ZEMEDELIE, SOFIYA, BULGARIA.

SO: Monthly List of East European Accessions, (EEAL), LC. Vol. 5, No. 10,  
Oct. 1956.

ILIEV, B.

AGRICULTURE

Periodical KOOPERATIVNO ZEMEDELSTVO. No. 11, Nov. 1956.

ILIEV, B. How we lower the production cost of milk. p. 16.

Monthly List of East European Accessions (SEAL) 10, Vol. 8, no.3, March, 1957. Incl.

DAMIANOV, Georgi, dots. inzh.; ATANASOV, Ivan, inzh.; ILIEV, Boris,  
inzh.

Working of negative basic regulators applied in automatic cotton  
looms in Bulgaria. Tekstilna prom 13 no. 2:9-13 '64.

1. Machinery and Electrotechnical Institute, Sofia (for Damianov  
and Atanasov). 2. "8 mart" State Industrial Enterprise, Sofia  
(for Iliev).

DOICHINOVA-KENAROVA, N.; ILIEV, D.

Serologic investigations in ABO-and Rh-incompatibility in blood transfusion. Khirurgia, Sofia 13 no.2-3:133-137 '60.

1. Is Nauchno-issledovatelakiia institut po khematologiya i krvoprelivane.

(BLOOD TRANSFUSION)

(BLOOD GROUPS)

ILIEV, G.

Treatment of threatened abortion with bromides, caffeine and psychotherapy. Khirurgia, Sofia 8 no.3:232-237 1955.

1. Vissh meditsinski institut V. Chervenkov-Sofia akushero-ginekologichna klinika Zav.katedrata: prof. G. Boladshiev.

(ABORTION,

threatened, ther.,bromides, caffeine & psychother.)

(BROMIDES, therapeutic use,

abortion, threatened, with caffeine & psychother.)

(CAFFEINE, therapeutic use,

abortion, threatened, with bromides & psychother.)

(PSYCHOTHERAPY, in various diseases,

abortion, threatened, with bromides & caffeine)



ILIEV, G.

TOSHEV, G., Prof.; ILIEV, G.; IVANOV, Iv.

*Listeria monocytogenes* as an etiologic factor in abortion.  
Khirurgia, Sofia 9 no.7-8:573-581 1956.

1. Vissih meditsinski institut--sofiia akumero-ginekologichna  
klinika Zav. katedrata: prof. G. Toshev nauchnoissledovatel'ski  
veterinaren bakteriologichen, parazitologichen i epizootologichen  
institut. Direktor: Iv. Chenchev.

(*LISTERIA*, infections,  
monocytogenes causing abortion (Bul))  
(*ABORTION*, etiology and pathogenesis,  
*Listeria monocytogenes* infect. (Bul))

*Iliyev, G.*

TOSHEV, G., prof. ILIYEV, G.; IVANOV, Iv.

Listerellosis in obstetrics. Akush. i gin. 32 no.6:70-71 N-D '56.  
(MIRA 10:11)

1. Iz kafedry akusherstva i ginekologii (zav. p prof. G.Toshev)  
i NIVBPPI (dir. Iv.Chenchev) Sofiya.

(*LISTERIA*, infect.

monocytogenes, causing abortion)

(ABORTION, etiol. and pathogen.

*Listeria monocytogenes*)

ILIEV, G.; KHUBENOV, A.

Utero-vaginal tamponade in atonic postpartum hemorrhage.  
Akush. ginek (Sofia) 1 no.2:27-31 '62.

1. Katedra po akusherstvo i ginekologiya pri VMI [Vissh meditsinski institut] - Sofia Rukovoditel na katedrata prof.  
Il. Shturkalev.

(HEMORRHAGE POSTPARTUM ther)

ILIEV, G.; BELOPITOV, B.; KHUBENOV, A.; VASILEV, Z.

Delivery of large and giant fetuses. Akush. ginek. (Sofia)  
2 no. 5:25-35 '63.

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ILIEV, G.; STANEV, Sl.

Clinical aspects and behavior of premature separation of a normally fixed placenta. Akush.Ginek.3 no.3:52-55 '64.

ILIEV, G.; KHUBENOV, A.

Role of psychosomatic conditions of the woman in abnormal  
labor activity (Preliminary communication). Akush. ginek.  
(Sofia) 3 no.4:84-91 '64

IARUKOV, Liub.; ILIEV, G.

Shock in obstetrical practice. Akush. ginek. (Sofia) 3 no.5:  
30-37 '64

ILIEV, G.

Bulgaria

Higher Medical Institute, Department of Obstetrics and Gynecology (VMI-Katedra po Akusherstvo i ginekologiya), Varna; Director: G. Iliev, Dots.

Sofia, Akusherstvo i Ginekologiya, No 5 & 6, 1965, pp 384-386.

"Psychosomatic Development of Children, Born with the Help of Forceps."

Co-author:

TANEVA, En.  
DINOVA, E.

ILIEV, G.

Bulgaria

Higher Medical Institute, Department of Obstetrics and Gynecology (VMI-Katedra po akusherstvo i ginekologiya), Sofia; Director: Iliya Shitumalev, Prof.  
Higher Medical Institute, Department of Obstetrics and Gynecology (VMI-Katedra po akusherstvo i ginekologiya), Varna; Director: G. Iliev, Dots.

Sofia, Akusherstvo i Ginekologiya, No 5 & 6, 1965, pp 384-386.

"Labor in Young Primiparas."

Co-authors:

ASTARDZHIEV, T.  
GYUMOVSKI, St.



SHTURKALEV, I.I.; ILIEV, G.; EELOPITOV, B.; ATANASOV, D.

Our experience in the mass prevention by medication of hemorrhages during the placental period in a series of 700 deliveries. Akush. ginek. (Sofia) 4 no.3:169-175 '65.

1. Visssh meditsinski institut, Sofia, Katedra po akusherstvo i ginekologiya (rukov.: prof. I.I. Shturkalev).

TSONEVA-MANEVA, M.; ILIEV, G.; AVRAMOV, Iv.

Genetics in obstetrics and gynecology. Akush. ginek. (Sofia)  
4 no.4:300-311 '65.

1. Vissh meditsinski institut, Varna. Katedra po obshta biologiya  
(rukov.: doc. M. Tsoneva-Maneva); Vissh meditsinski institut,  
Varna, Katedra po akusherstvo i ginekologiya (rukov.: G. Iliev).

ILIEV, Grigor

Fifth Congress of the Bulgarian Trade Unions. Bulg tr un no.5:  
9 '61.

1. Secretary of the Central Council of the Bulgarian Trade Unions.

ILIEV, I.

"Amplifier with Audio Frequency Push-pull Stage."

P. 48 (Radio i Televisia, Vol. 7, No. 6, 1958, Sofia, Bulgaria)

Monthly Index of East European Accessions (KEAI) LC, VOL. 7, No. 11,  
Nov. 1958

ILIEV, I.

Bobbin Block for Six Wave Shapes. "RADIO" Ministry of Communication,  
#9:32: Sept 55

ILIEV, I.

Air curtain for preventing cold drafts in workshops. p.35. TEKHNIKA.  
(Suiuz za nauchno-tekhnaicheskite druzhestva v Bulgaria) Sofia.  
Vol. 5, no. 1, Jan./Feb. 1956

SOURCE: East European Accessions List, (EEAL), Library of Congress,  
Vol. 4, no. 12, December 1956

121EV  
BULGARIA/Chemical Technology - Chemical Products and Their  
Application. Safety Engineering. Sanitary  
Engineering.

H-6

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 25657

Author : Iliyev Il.

Inst : ~~\_\_\_\_\_~~

Title : The Possibilities of Improving Working Conditions of  
Glass-Blowers.

Orig Pub : Lekn promiklenost, 1957, 6, No 6, 24-27

Abstract : No abstract.

Card 1/1

- 15 -

ILIEV, I.

ILIEV, I. Utilizing the working animals on the cooperativ farms. p. 10.  
Vol. 12, no.12, Dec. 1956. KOOPERATIVNO ZEMEDELIE. Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Vol. 6 No. 4 April 1957



ILIEV, I.

"A solution of computing single row continuous slabs."

STROITELSTVO: Vol. 1, No. 2, 1959; Sofia, Bulgaria

Monthly list of EAST EUROPEAN ACCESSIONS INDEX (EEAI), Library of Congress,  
Vol. 8, No. 8, August, 1959

Unclassified

~~ILIEV~~ IL.  
~~ILIEV~~ IL.

BULGARIA/General and Specialized Zoology. Insects. Injur- P  
ious Insects and Ticks. General Problems

Abs Jour : Ref Zhur - Biol., No 11, 1958, No 49533

Author : Dikov I., Iliyov Il.

Inst : -

Title : The San Jose Scale Insect (Diaspidiotus Perniciosus  
Comst.) and its Control.

Orig Pub : Byul. rastit. zashchita, 1957, 6, No 1, 67-70

Abstract : No abstract

Card : 1/1

10

ILIEV, Ilia, inzh.; TOMINOV, Tsvetan, tekhn.

Leveling of irrigation areas in the district of Mikhaylovgrad.  
Khidrotekh i melior 7 no.2:63 '62.

ILIEV, IL.

Applying some mathematical methods in the processing of the  
physicomechanical indexes of rocks. Izv Geol inst BAN 10:223-233  
'62.

ILIEV, Il., nauchn sotrudnik; VUTKOV, V., nauchn sotrudnik

Karst and karstic waters. Prir i znanie 15 no.6:14-15  
Je '62.

1. Geoloski institut pri Bulgarskata akademija na naukite.

ILIEV, Ilia, inzh.

Influence of the water on the tensile strength of rocks.  
Khidrotekhnika i melioratsiya no.3:84-85 '63.

~~Abstract~~ I. ILYEV  
USSR/Biology - Physiology

FD-2276

Card 1/1      Pub 33-7/18

Author : Khamne, N.; Krostev, K.; and Iliyev, I.

Title : Towards the physiology of the inhibitive process

Periodical : Fiziol. zhur. 40, 579-581, Sep-Oct 1954

Abstract : In order to determine physiological effects of the "false start" on athletes engaged in competitive sports, investigated changes in pulse rate and respiration (ventilation, gas exchange) resulting from above-mentioned situation under controlled laboratory conditions. Tables. One reference. (USSR, 1947).

Institution: Central Scientific-Research Institute of Physical Culture, Sofiya

Submitted : June 19, 1954

ILIEV, Ilia, inzh.

Modeling the Bulgarian suction systems for industrial baths. Tekhnika  
Bulg 11 no.7:263-265 '62.



ИЛЕВ, И. ; БОБЕВ Г.

Reducing lead-aerosol pollution around blast furnaces in  
the processing of lead-containing raw materials. Min  
dale 18 no.10: 34-35 0'63.

1. НИИОПЗ.

~~IIIV~~ I  
KHANDE, N.; KRYSTEV, K.; ILIYEV, I.

Physiology of starting conditions. Teor. i prak. fizkul' 18  
no.7:540-546 '55. (MLRA 8:10)

1. Tsentral'nyy nauchno-issledovatel'skiy institut fizicheskoy  
kul'tury, Sofiya.

(ATHLETICS, physiology,

cyclist's pulse & metab, during starting of competition)

(PULSE,

in cyclist during start of competition)

(METABOLISM,

in cyclist during start of competition)

ILIEV, IL.

Clinical use of omento-reno-plexy in threatening renal ischemia.  
Khirurgia (Sofia) 16 no.8:747-754 '63.

1. Gradska bolnitsa - Gr. Topolovgrad. Gl. lekar: L. Margaritov.  
(ISCHEMIA) (KIDNEY DISEASES)  
(SURGERY, OPERATIVE) (OMENTUM)

HUNGARY

MAGONY, Jozsef, Dr, ILIEV, Ilia, Dr, KISS, Tamas, Dr, KORNVEI, Edith, Dr;  
Ambulant Service and Hospital of the Council of Somogy Megye, Pulmonary  
Surgery and Neurology (Somogy Megyei Tanacs Rendelointezet es Korhaz,  
Tudosebeszeti Osztaly es Idegosztaly).

"The Change of Occupation as a Factor in the Discovery of the Scalenus  
Syndrome."

Budapest, Orvosi Hetilap, Vol 104, No 45, 10 Nov 63, pages 2146-2147.

Abstract: [Authors' Hungarian summary] A case of scalenus syndrome is  
described where the symptoms appeared after the occupation of the pa-  
tient was changed. The symptoms were caused by the deformed first rib on  
the right side and the cervical rib which were joined by a synchondrosis.  
6 Hungarian, 9 Western references.

1/1

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ILIEV, Il.

Determining mean values of physical and mechanical indexes  
of the rocks. Izv Geol Inst BAN ~~44~~: 223-230 '62.

ILIEV, Il.; SPASOV, V.

Use of radioisotopes in hydrogeologic and geologic engineering  
research. Priroda Bulg 12 no. 1: 70-73 Ja-P '63.

ILIEV, Il., inzh.

Studies on the technological properties of the colors for  
manganese steel molds. Mashinostroeni 12 no.3:45 Br'63

POPOV, Todor, kandidat na ikonimicheskite nauki; ILIEV, Ilia, nauchn  
autrudnik.

Valuation of live labor in the prime cost of production on  
cooperative farms. Trud tseni 5 no.4:13-22 '63

1. Institut za ikonomiia na selskoto stopanstvo (for Iliev).



PANOV, Stoil, inzh.; KARLSON, Valentin, inzh.; ILIEV, Ilia, inzh.;  
VULCHEV, Rosen, inzh.

Ventilation of particle board shops. Durvomebel prom. 7  
no.1:22-26 Ja-F'64

1. Nauchnoizsledovatel'ski institut po okhrana na truda i  
profesionalna zaboliavaniia, Sofia.

ILIEV, I.

ILIEV, I

"One of the main reasons for the deterioration of the apricot and support for the same!"  
p 122 (KOOPFRATIVNO ZEMEDELIE, Vol 6 #4 Apr. 1951, Bulgaria)

East European Vol 2 #8  
SO: Monthly List of ~~XXXXXX~~ Accessions, Library of Congress, August 1953, Uncl.

ИЛИЕВ Л.

BULGARIA/Cultivated Plants. Fruits. Berries.

Abs Jour: Ref Zhur-Biol., No 5, 1958, 20499.

Author : L. Iliyev

Inst : Not given.

Title : The Turkish Hazel Nut. (Turetskiy funduk).

Orig Pub: Nauchn. tr. M-ve izm. Ser. rasteniev"datve, 1956, 1,  
No 3, 19-30.

Abstract: At the fruit testing station in Dryanevo from 1943-1946 a pomological study of 4 varieties of hazel nuts and two varieties which are distributed in the region of Stalin city. Four new varieties were brought in from Turkey in 1936, one of these was the Abkhazskiy mal'kiy variety, and the author named the others, the Roundish hazel nut, the Oblong hazel and the Heart-Shaped hazel. Together with these the Early Trapezundskiy and Furfulak (a late

G

Card : 1/2

BULGARIA/Cultivated Plants - Fruits. Berries.

M-6

Abs Jour : Ref Zhur - Biol., No 7, 1958, 30033

Author : Iliyev, Ivan

Inst : -

Title : The Plovdivskaya Rannyaya (Ital'yanka) Sweet Cherry Variety.

Orig Pub : Ovoschcharstvo i gradinarstvo. 1957, No 1, 19 (Bulg.)

Abstract : This variety is distinguished by early ripening, good productivity, frost-resistance. The average weight of the fruit is 5 g. The cherries contain 10.7% sugar, 0.64% acids.

Card 1/1

- 15 -

BULGARIA/Cultivated Plants - Fruits. Berries.

M.

Abs Jour/Ref: Ref-Zhur. Biol., No 4, 1958, 15746

Author: I. Iliyev, N. Dimova

Inst

Title: Fruit Cultivation, Its State and Possible Development in the Environs of Kotel.

(Sostoyaniye i vozmozhnosti razvitiya plodovodstva v Kotel'skoy okoli).

Orig Pub: Ovosheharstvo i gradinarstvo, 1957, No 6, 20-24.

Abstract: No abstract.

Card 1/1

1/1

HUNGARY

ROZSOS, Istvan, Dr, BARTON, Attila, Dr, ILIEV, Ilia, Dr: Hospital of Kaposvar, (director: TARJAN, Laszlo, Dr), I. Surgical Ward (chief physician: SZABO, Bela, Dr) and Radiology (chief physician: ILIEV, Ilia, Dr) (Kaposvari Korhaz, I. Sebészeti Osztaly és Röntgen Osztaly).

"On Neurogenic Tumors of the Stomach."

Budapest, Magyar Sebészet, Vol XX, No 1, Feb 67, pages 67-77.

Abstract: [Authors' Hungarian summary] In connection with the detailed description of 2 cases, the neurogenic tumors of the stomach are discussed. The two patients were 45 and 17 years old women. Both patients were hospitalized for gastric bleeding and the benign, ulcerative tumor in the stomach was diagnosed postoperatively. The possibilities of preoperative and intra-operative diagnosis of neurogenic tumors are discussed. In both cases, a subserous vascularization on the extraventricular surface of the stomach was apparent. Since neurogenic tumors may be accompanied by numerous complications including the danger of a malignant degeneration, and they may also have a detrimental effect on hematopoiesis, radical removal as soon as possible and without regard to the age of the patient is considered to be necessary. In some cases, however, if radical surgery with its immediate and late complications represent a greater danger to the patient than the risk of local recurrences which is present when local resection is employed, there is justification for this latter procedure as well. It is considered important that

MADZHAROV, G., inzh; ILIEV, Iv., inzh.

Speedy shaft sinking and speedy removal of excavated blocks. Min  
delo 17 no.1:41-43 Ja '62.

1. Kurzhavno minno prsdpriatie "Gorbuso"

ILIEV, Ivan

Waste and losses from the rotting of apples stored in ordinary storages. Selskostop nauka 2 no.7:802-810 '63.



ILIEV, Ivan, st. n. sutr.

The cassis (black currant). Priroda Bulg 13 no.6:96-101  
N-D '64.

1. Institute of Fruit Culture, Plovdiv.

ILIEV, I.; IAKOVA, P.; POMAKOV, Al.

Experience with complex therapy of a case of neural form of progressive muscular atrophy. Suvrem. med., Sofia 8 no.10:99-103 1957.

1. Iz Okruzhnata bolnitsa -- Pomakov Iz Okruzhnata bolnitsa -- Pleven  
(Gl. lekar: R. Rusev).

(PROGRESSIVE MUSCULAR ATROPHY, therapy,  
complex drug ther. (Bul))

ILIEV, Iv.

A case of osteochondritis dissecans of the elbow joint. Khirurgia.  
Sofia 13 no.7/8:712-714 '60.

1. Iz Instituta za protezirane, vuzstanovitelna khirurgia i  
trudoustroistvo.

(OSTEOCHONDRITIS case reports)

(ELBOW diseases)

ILIEV, Iv.; MANOLOV, G.

Above-knee wooden prostheses with muscle attachments. Khirurgia  
(Sofia) 14 no.10:973-976 '61.

1. Institut za vusstanovitelna khirurgia protezirane i trudoyst-  
roistvo Direktor: dots. IA, KHolevich.

(ARTIFICIAL LIMB)

ILIEV, Iv.

Our experience with the surgical treatment of scoliosis. Khirurgia  
(Sofia) 14 no.12:1093-1101 '61.

1. Institut za protezirane, vuzstanovitelna khirurgia i trudoust-  
roistvo. Direktor: dots. IA. Kholevich.

(SCOLIOSIS surg)

ILIEV, Kiril

Results of the one-year creative activities of the rationalizers  
in the Pernik Machine-Building Works. Ratsionalizatsiia  
13 no.1:9-12 '63.

ILIEV, Kr., insh.

Rational technology of welding hard-alloy laminae to turning machine tools. Mashinostroene 12 no.5:14-18 My '63.

1. TsNIITMASH.

ILIEV, Kr., inzh.

New methods in metalworking. Mashinostroyeniye 11 no.11:12-15  
M '62.

1. NIIMM.



DOBREV, K.; MARTYKENKO, A.; ILIYEV, L. [Iliev, L.]

Auxins and the yield of mint oil. Zemledelie 27 no.5:91-92 My '65.  
(MIRA 18:6)

1. Institut khimicheskoy promyshlennosti, Sofiya, Bolgariya.

ILIEV, L.; DELCHEV, V.; DASKALOV, A.

Device for simultaneously making holes on suspended equalizing levers and other parts. p.61.  
(TRANSPORTNO DELO, Vol. 9, no. 1, 1957, Sofia, Bulgaria.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 12, December 1957 Uncl.

DALEV, D., Prof.; ILIEV, L.; ILIEVA, R.

Investigations on Bulgarian opium. I. Possibilities of widening the cultivation of *Papaver somniferum* L. and possibilities of production of opium with high content of morphine. Nauch. tr. Vissh. med. inst. Chervenkov, Sofia 2 no.5:1-17 1956.

1. Predstavena ot prof. D.I Dalev, direktor na Inst. po farmatsevtichna khimija.

(OPIUM

prod. in Bulgaria (Bul))

BULGARI/Chemical Technology. Chemical Products H-17  
and Their Applications. Pharmaceuticals.  
Vitamins. Antibiotics.

Abs Jour : Ref Zhur-Khimiya, No 7, 1959, 24451

Author : Dalev, D. Iliyeva, R., Iliyev, L.

Inst : -

Title : A Method of Deriving Morphine from Opium.

Orig Pub : Farmatsiya (Bulg.), 1957, 7, No 4, 17

Abstract : A part of opium and 9 parts of water are  
thoroughly mixed, the mixture is allowed  
to settle for several hours; then, 0.43  
parts of CaO are added, mixed for 1/2  
hour, allowed to settle again, filtered  
thorough Buchner's funnel, the precipitate  
is washed until approximately 11 parts of

Card : 1/2

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BULGARIA/Chemical Technology, Chemical Products H-17  
and Their Applications. Pharmaceuticals.  
Vitamins. Antibiotics.

Abs Jour : Ref Zhur-Khiniya, No 7, 1959, 24451

filtrate are obtained (Ca-morphinate).  
Five parts of a mixture consisting of 1  
part of alcohol (90°) and 5 parts of ether  
are added to the filtrate, mixed, followed  
by the addition of 0.4 parts of  $\text{NH}_4\text{Cl}$ , vi-  
gorous agitation for 20 minutes, settling  
for 16 hours, and then filtration. The mor-  
phine remaining on the filter is water wa-  
shed, dried at 100° and recrystallized. The  
yield is approximately 90 percent. Secondary  
alkaloids may be obtained by employing the  
above described method. -- A. Vavilova

Card : 2/2

B/005/63/000/001/001/001  
D274/D308

AUTHORS: Yordanov, D., Engineer, Stefanova, N., Kulchitski,  
V. and Iliev, Lozan

TITLE: Introduction of gas cyanization of structural steel  
in the State Machine building Plant at Kolarovgrad

PERIODICAL: Mashinostroene, <sup>12</sup>no. 1, 1963, 12-18

TEXT: The experiments were carried out with round specimens made of medium-carbon alloy steel 40X (40Kh), in U-105 (Ts-105) furnaces at a temperature of 790-840°C. During the gas cyanization, petrol and liquid ammonia entering the furnace from different points were used as the active gas. The petrol was fed in by a drop-per, while the consumption of ammonia was read on a rheometer charged with toluene. Best results with respect to the diffusion of carbon and nitrogen in the surface layer of the specimens were obtained by using an optimum quantity of 250-300 drops/min of petrol and 14 liters/min of ammonia. Under these conditions the layer attains its highest durability and stability, and a higher strength

Card 1/2

Introduction of gas ...

B/005/63/000/001/001/001  
D274/D308

of wear than when a liquid cyanization is applied. The duration of the process of saturation must not exceed 100-110 minutes, when the required layer of 0.25 mm thickness is obtained. This process cuts the time of liquid cyanization by 15-20%. During the optimum conditions of the process an  $\epsilon$ -phase in the structure of the diffusion layer does not exist i.e. the strength of the specimens is higher, and the transition to the core is smoother. The fatigue limit of the specimens was 57.1 kg/mm<sup>2</sup>. The effect of gas cyanization on the deformation of different machine parts was within the admissible limits. There are 12 figures and 6 tables.

Card 2/2

ILIEV, LUBOMIR.

Über trigonometrische Polynome mit monotoner Koeffizientenfolge. Annuaire (Godisnik).  
Univ. Sofia. Fac. Phys. Math. Livre 1. 38, 87-102 (1942).

SO: Mathematical Reviews, Vol. 12, 1951, page 173, UNCLASSIFIED.



ILEEF, LJUBOMIR.

Über in der Umgebung der Abnisse der absoluten Konvergenz einer Klasse Dirichletscher Reihen zugehörige singulare Stellen. Annuaire (Godisnik) Univ. Sofia. Fac. Phys.-Math. Livro 1. 43, 239-267 (1947).

W. Seidel (Rochester, N. Y.).

EE  
Bulgaria  
retain

SO: Mathematical Reviews, Vol. 12, 1951, page 600, UNCLASSIFIED.

ILIEFF, LJUBOMIR.

Über die Verteilung der Nullstellen einer Klasse ganzer Funktionen. Annuaire (Godisnik)  
Univ. Sofia. Fac. Sci. Livre 1. (Math. Phys.). 44, 143-174 (1948).

W. Seidel (Rochester, N. Y.).

SO: Mathematical Reviews, Vol. 12, 1951, page 800, UNCLASSIFIED.

ILIEV, L.

"Commensurable Sum of 3-Symmetric Simple Functions," p. 9, (DOKLADY, Vol. 3, no. 1, Jan./Mar. 1950 [Published 1951]. Sofiya, Bulgaria.)

So: Monthly List of East European Accessions, LC, Vol. 3, No. 5, May 1954/Unclassified

ILIYEV, Lyubomir

USSR/Mathematics - Schlicht Functions 1 Jul 51

"On the Symmetrical Schlicht (Simple) Functions,"  
Lyubomir Iliyev, Math Inst, Sofia U, Sofia, Bulgaria

"Dok Ak Nauk BSSR" Vol LXXIX, No 1, pp 9-11

Establishes the coeffs of a certain schlicht function and its circle of convergence (applicability) by the use of V. Levin's method (Proc London Math Soc 39, 467, 1935). Submitted by Acad V. I. Smirnov 10 May 51.

210748

ILIYEV, L.

Mathematical Reviews  
Vol. 15 No. 2  
Feb. 1954  
Analysis

8-9-54  
LL

Iliev, Lyubomir. On triply symmetric univalent functions.  
Bulgar. Akad. Nauk. Izvestiya Mat. Inst. 1, 27-34 (1953).  
(Bulgarian)  
A translation into Bulgarian, with the addition of more  
details, of a previously published note [Doklady Akad.  
Nauk SSSR (N.S.) 84, 9-12 (1952); these Rev. 13, 832,  
1140]. A. W. Goodman (Lexington, Ky.).

ILIEV, Lyubomir

Mathematical Reviews  
Vol. 15 No. 4  
Apr. 1954  
Analysis

8-24-54  
LL

Iliev, Lyubomir. Analytically noncontinuable series of Faber polynomials. *Bulgar. Akad. Nauk. Izvestiya Mat. Inst.* 1, 35-36 (1953). (Bulgarian)

In the completed  $s$ -plane, let  $G$  be a simply connected region containing the point  $s = \infty$ . Let the function  $w = \Phi(s)$ , with the expansion  $\Phi(s) = s + \beta_0 + \beta_1/s + \dots$  in the neighborhood of  $\infty$ , map  $G$  conformally and schlicht upon a region  $|w| > \rho$  (it is assumed that  $\rho < 1$ ); and let the sequence  $\{\Phi_n(s)\}$  be defined by the equation

$$[\Phi(s)]^n = \Phi_n(s) + \beta_{n1}/s + \beta_{n2}/s^2 + \dots$$

For any sequence  $c = \{c_n\}$  with  $\limsup |c_n|^{1/n} = 1$ , the function  $f(s) = \sum c_n \Phi_n(s)$  is regular in the region interior to the curve  $C$  which is the image of the circle  $|s| = 1$  under the mapping  $w = \Phi(s)$ . Elsewhere [Doklady Akad. Nauk SSSR (N.S.) 90, 499-502 (1953); these Rev. 15, 23], the author has shown that if  $c$  belongs to the class  $NP$  of sequences whose elements take only a finite number of different values and which are not ultimately periodic, then  $C$  is a natural boundary for  $f(s)$ . He now extends this result in various ways. For example,  $C$  is a natural boundary under each of the following conditions: (1)  $c_n = a_n + a_{n_k}$ , where  $a \in NP$  and  $a_n \rightarrow 0$ ; (2)  $c_n = a_n b_n$ , where  $a \in NP$ ,  $b_{n+1}/b_n \rightarrow 1$ , and  $b_n = O(n^\alpha)$  for some arbitrary constant  $\alpha$ ; (3)  $c$  is bounded; and for some increasing sequence  $\{n_k\}$ ,  $c_{n_k} \rightarrow \alpha$  while, for each fixed positive integer  $r$ ,  $c_{n_k} \rightarrow \beta \neq \alpha$ ; (4) the elements of  $c$  take only the values  $d_1, d_2, \dots, d_s$ , except for a subsequence  $\{c_{n_k}\}$  which is bounded, is bounded away from each  $d_j$ , and for which  $\limsup (n_k - n_{k-1}) = \infty$ . *G. Piranian.*

LIYEV, L.

Mathematical Reviews  
Vol. 15 No. 1  
Jan. 1954  
Analysis

7-13-54  
LL

Iliev, Lyubomir. Series of Faber polynomials whose coefficients assume a finite number of values. Doklady Akad. Nauk SSSR (N.S.) 90, 499-502 (1953). (Russian)  
If  $f(s)$  is represented by (1)  $\sum c_n \Phi_n(s)$ , a series of Faber polynomials whose coefficients  $c_n$  assume only a finite number of different values, then either the sequence  $\{c_n\}$  is ultimately periodic, or else the boundary of the region of convergence of (1) is a natural boundary for the function  $f(s)$ . The author's proof follows closely Szegő's proof of the theorem for the special case where (1) is a Taylor series [S.-B. Preuss. Akad. Wiss. 1922, 88-91]. G. Piranian.

ILIEV, L  
USSR/ Mathematics - Monophyllous functions

Card 1/1 Pub. 22 - 3/60

Authors : Iliev, Lyubomir

Title : The theorem of monophyllous character of finite sums of tri-symmetrical monophyllous functions

Periodical : Dok. AN SSSR 100/4, 621-622, Feb 1, 1955

Abstract : The following theorem is proved: if  $f_1(z) \in S_3$ , then the  $\sigma_n^{(1)}(z)$  is a monophyllous function in the circle for which  $|z| < \sqrt{3}/2$ , and the constant  $\sqrt{3}/2$  cannot be substituted by a larger number. This theorem is proved for the value  $n = 2$ . The same theorem was proved previously for  $n \neq 2$ . Thus the completeness of the theorem is now brought out.  $S_{(3)}$  represents the following type of functions:  $f_1(z) = z + a_1 z^4 + a_2 z^7 + \dots$ . Three references: 1 USSR, 1 Japanese and 1 USA (1923-1952).

Institution : Sophian State University, Sophia, Bulgaria

Presented by: Academician V. I. Smirnov, November 23, 1954



ILIEV, L.

USSR/ Mathematics - Topology

Card 1/2 Pub. 22 - 5/49

Authors : Iliev, Lyubomir

Title : About a divided difference of limited monophyllous functions

Periodical : Dok. AN SSSR 100/5, 861-862, Feb 11, 1955

Abstract : A class  $S$  of regular and monophyllous functions of the type  $f(z) = z + a_2 z^2 + \dots$  and a set  $S^{(K)}$  of the  $K$ -symmetrical functions of the class  $S$  are considered for the purpose of establishing the correctness of the following inequality

$$\left| \frac{f_K(z_1) - f_K(z_2)}{z_1 - z_2} \right| \geq M^2 \frac{1 - \mu^2}{\mu^2}.$$

$$\left[ (1 + \mu^2) \sqrt{M^2} - \sqrt{M^2 (1 + \mu^2)^2 - 4 \mu^2 K} \right]^{2/K}$$

Institution : Sofia State University at Sofia, Bulgaria

Presented by : Academician V. I. Smirnov, November 23, 1954

Periodical : Dok. AN SSSR 100/5, 861-862, Feb 11, 1955

Card 2/2 : Pub. 22 - 5/49

Abstract :  $\left[ (1+\mu^2) \sqrt{M^2 - \sqrt{M^2(1+\mu^2)^2 - 4\mu^2}} \right]^{2k} - \left[ (1+\mu^2) \sqrt{M^2 - \sqrt{M^2(1+\mu^2)^2 - 4\mu^2}} \right]^{2k}$

where  $M^2 = N$  and  $N > |f(z)|$  and  $f(z) = \sqrt{f(z)}$ ;  $|z| < r$ ;  $|z_1| < r$ ;  
 $z_1 \neq z_2$ ;  $0 < \mu < 1$

The above expression at  $M \rightarrow \infty$  can be reduced to the following one:

$$\left| \frac{f(z_1) - f(z_2)}{z_1 - z_2} \right| > \frac{1 - \mu^2}{\mu^2} \cdot \frac{1}{(1 - \mu^2)^{2k}}$$

Four references: 3 USSR and 1 Finnish (1917-1951).

Theorem on the Non-Extendability of Power Series

1636:

Heff, Ljubomir. Ein Satz über analytische Nichtfortsetzbarkeit von Potenzreihen. C. R. Acad. Bulgare Sci. 10 (1957), 447-450. (Russian summary)

Let  $f(z) = \sum_{n=0}^{\infty} c_n z^n$  with radius of convergence 1. The unit circle is a natural boundary. If there are a sequence  $(n_k)$  and a positive  $\epsilon$  such that  $\limsup |c_{n_k}|^{1/n_k} = 1$ ; the numbers  $c_{n_k+h}/c_{n_k}$  ( $h=1, 2, \dots, [sn_k]$ ) do not have 1 as a limit point; and all the finite sequences  $(\gamma_k) = (c_{n_k+h})_{h=1}^{[sn_k]}$  are "periodic" in the sense that, for some  $p$ ,  $\gamma_k = \gamma_{k+p}$  for  $1 \leq k \leq [sn_k] - p$ , with  $[(t_k - 1)/p] \geq 2$  (so that there are at least two "periods" in each block of coefficients).

R. P. Boas, Jr. (Evanston, Ill.)

2.  
1-F1W

ILIEV, L.

"The International Congress of Mathematicians in Edinburgh."

FIZIKO-MATEMATICHESKO SPISANIE, Sofia, Bulgaria, Vol. 2, no. 1, 1959.

Monthly list of East Europe Accessions (EEAI), LC, Vol. 8, No. 6, <sup>Sept</sup> Jun 59  
Unclass

16(4)

AUTHOR:

ILIEV

Iliyev, Lyubomir

80V/20-126-1-2/62

TITLE:

Criterion for the Impossibility of Analytic Continuation of Power Series (Kriteriy analiticheskoy neprodolzhimosti stepennykh ryadov)

PERIODICAL:

Doklady Akademii naukSSSR, 1959, Vol 126, Nr 1, pp 13 - 14 (USSR)

ABSTRACT:

Let the series

$$(1) \quad \sum_{n=0}^{\infty} a_n z^n$$

satisfy the condition  $\lim_{n \rightarrow \infty} \sqrt[n]{|a_n|} = 1$ .

Theorem : If there are two increasing index sequences  $m_\nu < n_\nu$ ,  $\nu = 1, 2, \dots$ , and a number  $\theta$ ,  $0 < \theta < 1$ , so that

$$\lim_{\nu \rightarrow \infty} \sqrt[n_\nu]{|a_{n_\nu}|} = 1$$

Card 1/2

\* Criterion for the Impossibility of Analytic Continuation SOV/20-126-1-2/62  
of Power Series

$$a_{n_y - k} = a_{m_y - k}, \quad k = 1, 2, \dots, [0n_y], \quad (m_y \geq [0n_y])$$

and if the number 1 is no condensation point of the numbers  $a_{m_y}/a_{n_y}$ , then (1) cannot be analytically continued from the unit circle.

There are 2 non-Soviet references, 1 of which is Bulgarian, and 1 German.

ASSOCIATION: Sofiyskiy universitet, Sofiya, Bolgariya (Sofiya University, Sofia, Bulgaria)  
PRESENTED: January 22, 1959, by V.I. Smirnov, Academician  
SUBMITTED: November 20, 1958

Card 2/2

ILIEV, L.

A class of analytic short duration power series. Izv mat inst BAN 4  
no.2:153-159 '60. (EEAI 10:9)

(Series)

ILIEV, Liubomir

Condition and needs of the mathematical sciences in Bulgaria.  
Spisanie BAN 5 no.3:3-23 '60. (EEAI 10:5)

1. Chl.-kor.  
(Bulgaria--Mathematics)



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Academician Matislav Vsevelevich Keldish elected as president of the Soviet Academy of Sciences. Spisania BAN 6 no.2:84-86 '61.

1. Bulgarskata akademiia na naukite.

ILIEV, L.

The Congress of the International Federations of Information  
Processing Societies, August 27-September 1, 1962.  
Fiz mat spisanie BAN 5 no.4:315-316 '62.

1. Chlen-korespondent na Bulgarskata akademiia na naukite,  
chlen na Redaktsionnata kolegia i gl. redaktor,  
"Fiziko-matematichesko spisanie."

ILIEV, L.

A colloquium on the theory of functions and functional analysis at Bucharest. Fiz not spisanie BAN 5 no.4:316 '62

1. Chlen-korespondent na Bulgarskata akademija na naukite, chlen na Redaktsionnata kolegia i gl. redaktor, "Fiziko-matematichesko spisanie."

ILIEV, Liubomir

Activities of the Bulgarian Academy of Sciences in 1961 in the field of scientific research. Spisanie BAN 7 no.1/2:18-30 '62.

1. Chlen-korrespondent na Bulgarskata akademiia na naukite, glaven nauchan sekretar na Bulgarskata akademiia na naukite i chlen na Redaktsionnata kolegiia, "Spisanie na Bulgarskata akademiia na naukite."

ILIEV, Liubomir

Penetration of mathematics into other sciences. Spisanie  
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i chlen na Redaktsionnata kolegia, "Spisanie na Bulgarskata  
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Importance of the electronic computing technique and its application in Bulgaria. Spisanie BAN 8 no.1:65-74 '63.

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pures 8 no. 3:349-351 '63

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Life and work of Academician Liubomir Chakalev. Fiz mat  
spisanie BAN 6 no. 2:123-129 '63.

1. Chl.-ker. na Bulgarskata akademija na naukite i gl. redakter,  
"Fiziko-matematichesko spisanie".



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Acceleration of the blossoming of some flower cultures with the aid of gibberellic acid. Priroda Bulg 12 no.3:65-67 My-Je '63.

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Languages. Fiz mat spisanie BAN 7 no.1:71 '64.

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Vol. 7, No. 8. 1955. TRANSPORTNO DELO. Sofiya, Bulgaria.

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BULGARIA/Chemical Technology. Chemical Products and Their Application H-11  
Catalysts and Sorbents

Abs Jour : Ref Zhur - Khim., No 24, 1958, No 82288

Author : Iliyev M.

Inst

Title : Utilization of Bulgarian Clay for the Manufacture of  
Catalyst for Isomerization of -Pinene into Camphene

Orig Pub : Farmatsiya (Blg.), 1957, 7, No 6, 19-21

Abstract : Pulverized clay is boiled with preheated  $H_2SO_4$ , followed  
by water washing, drying and activation at  $130-140^\circ$  for  
4-5 hours. The best results were obtained with the  
Chukurovskiy clay. Bibliography includes 6 titles. -- Ye.  
Stefanovskiy.

Card : 1/1

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1. V. G. GILBERT (Gordon) and H. A. GILBERT: *Major Meeting in the U.S. (with Soviet Contributions)*, pp. 3-7.
2. A. G. GILBERT: *Resolution of the 3rd National Conference (of the International Science Society)*, pp. 8-22.
3. V. GILBERT and J. WILSON: *Research and Development Operations in the Soviet Union in the U.S.S.R.*, pp. 10-12. (British Library)
4. D. GILBERT: *Major Meeting and Major Meeting of the Soviet Union in the U.S.S.R.*, pp. 10-12. (British Library)
5. V. GILBERT and H. A. GILBERT: *Major Meeting and Major Meeting in the U.S.S.R.*, pp. 10-12. (British Library)
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Past and present of the Bulgarian radio industry. Radiotechnika  
15 no.2:41-42 F '65.

1. Deputy Editor, "Radio i Televizija", Sofia.

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ELEKTROENERGIJA. Sofia, Bulgaria

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New things and trends in the development of radio receivers. p. 29.  
(RADIO I TELEVIZIIA, Vol. 6, no. 5, 1957, Sofia, Bulgaria.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 12, December 1957 Uncl.